I hereby app the following attorneys to prosecute application and/or an international application based d as application and to transact all busine n the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

RAYMOND C. STEWART (Reg. No. 21,066) JOSEPH A. KOLASCH (Reg. No. 22,463) JAMES M. SLATTERY (Reg. No. 28,380) " A 11 A 3

CHARLES GORENSTEIN (Reg. No. 29,271) LEONARD R. SVENSSON (Reg. No. 30,330) MARC S. WEINER (Reg. No. 32,181) JOE McKINNEY MUNCY (Reg. No. 32,334) C. JOSEPH FARACI (Reg. No. 32,350)

TERRELL C. BIRCH (Reg. No. 19,382) ANTHONY L. BIRCH (Reg. No. 26,122) BERNARD L. SWEENEY (Reg. No. 24,448) MICHAEL K. MUTTER (Reg. No. 29,680) GERALD M. MURPHY, JR. (Reg. No. 28,977) TERRY L. CLARK (Reg. No. 32,644) ANDREW D. MEIKLE (Reg. No. 32,868) ANDREW F. REISH (Reg. No. 33,443)

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

Send Correspondence to: BIRCH, STEWART, KOLASCH AND BIRCH, LLP

P.O. Box 747 Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 Facsimile: (703) 205-8050

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may ieopardize the validity of the application or any patent issued thereon.

II.					
Full Name of First or Sole	GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURES		DATE*	
Insert Name of Inventor	Managana + DVMAMED	I UUK.	120121	2/24-97	
Dogument Ic Signed	Margaret BYWATER Residence (City, State & Country)	1 7 5 7 1 1 1 9	CITIZENSHIP	L	
Insert Residence		$\mathcal{D}$	1		
Insert Citizenship	<u>Philadelphia,</u> PA 19107	PH	British		
_ Insert Post Office	POST OFFICE ADDRESS (Complete Street Address including City, State & Country)				
= Address	834 Chestnut Street, Apt. PH123, Philadelphia, PA 19107				
Full Name of Second Inventor, if any:	GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURE		DATE*	
see above 1	Per LINDSTROM				
	Residence (City, State & Country)	<u> </u>	CITIZENSHIP	<b>1</b>	
T A	CT1/		_ , ,		
	Uppsala, Sweden.	hadian Circ Otata A Carrata A	Swedish		
76	POST OFFICE ADDRESS (Complete Street Address inc	3,			
	Svankarrsvagen 26A, S-756	53 Uppsala, Swe	eden		
Full Name of Third Inventor, if any:	GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURE		DATE*	
see above 3-00	Mats INGANAS				
	Residence (City, State & Country)	-	CITIZENSHIP		
	Hannala Guadan (SFV		Swedish		
	Uppsala, Sweden Street Address including City, State & Country)  Swedish  POST OFFICE ADDRESS (Complete Street Address including City, State & Country)				
	Lapplandsresan 14, S-757		den		
Full Name of Fourth	GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURE		DATE*	
Inventor, if any:	GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURE		DATE*	
		INVENTOR'S SIGNATURE	CITIZENGHIP	DATE*	
Inventor, if any:	GIVEN NAME FAMILY NAME  Residence (City, State & Country)	INVENTOR'S SIGNATURE	CITIZENSHIP	DATE*	
Inventor, if any:	Residence (City, State & Country)		CITIZENSHIP	DATE*	
Inventor, if any:			CITIZENSHIP	DATE*	
Inventor, if any: see above	Residence (City, State & Country)		CITIZENSHIP	DATE*	
Inventor, if any:	Residence (City, State & Country)		CITIZENSHIP	DATE*	
Inventor, if any:  see above  Full Name of Fifth Inventor, if any:	Residence (City, State & Country)  POST OFFICE ADDRESS (Complete Street Address inc	luding City, State & Country)	CITIZENSHIP		
Inventor, if any: see above  Full Name of Fifth	Residence (City, State & Country)  POST OFFICE ADDRESS (Complete Street Address inc	luding City, State & Country)	CITIZENSHIP		
Inventor, if any:  see above  Full Name of Fifth Inventor, if any:	Residence (City, State & Country)  POST OFFICE ADDRESS (Complete Street Address inc	luding City, State & Country)			
Inventor, if any:  see above  Full Name of Fifth Inventor, if any:	Residence (City, State & Country)  POST OFFICE ADDRESS (Complete Street Address inc  GIVEN NAME FAMILY NAME  Residence (City, State & Country)	luding City, State & Country)  INVENTOR'S SIGNATURE			
Full Name of Fifth Inventor, if any:  see above  *Note: Must be completed — date this document is	Residence (City, State & Country)  POST OFFICE ADDRESS (Complete Street Address inc	luding City, State & Country)  INVENTOR'S SIGNATURE			
Inventor, if any:  see above  Full Name of Fifth Inventor, if any:  see above  *Note: Must be completed	Residence (City, State & Country)  POST OFFICE ADDRESS (Complete Street Address inc  GIVEN NAME FAMILY NAME  Residence (City, State & Country)	luding City, State & Country)  INVENTOR'S SIGNATURE			

(USPTO Approved 3-90) (Revised 8-95)

# 

# BIRCH TEWART, KOLASCH & BUTH, LLP

# COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

ATTORNEY DOCKET NO.

1614-178P(PCT)

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:\*

			ent inventor (if plural inventors are ent is sought on the invention entitle				
sert Title	Sequence-based m	utation analys	is of neoplastic tiss	ue for			
	diagnosis or pro	gnosis of the	neoplasia				
neck Box If ppropriate - or Use Without	the specification of which is	attached hereto unless t	he following box is checked:				
ecification tached	was filed on		as United				
	States Application Nu	ımber	or				
	PCT International Ap	plication Number PC	T/SE95/00804	applicable).			
			•	• •			
	including the claims, as amer I acknowledge the duty Code of Federal Regulations	nded by any amendment to disclose information, §1.56.	which is material to patentability a	s defined in Title 37,			
	before my or our invention t	hereof, or patented or d	as ever known or used in the Unit escribed in any printed publication : prior to this application, that the sa	in any country before			
	use or on sale in the United	States of America more	than one year prior to this applicati	on, that the invention			
	in any country foreign to	the United States of	ntor's certificate issued before the d America on an application filed	by me or my legal			
	representatives or assigns mo	ore than twelve months	(six months for designs) prior to this this invention has been filed in any of	application, and that			
	United States of America profollows.	rior to this application	by me or my legal representatives	or assigns, except as			
	I hereby claim foreign	I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign					
	application(s) for patent or application for patent or inversely priority is claimed:	ventor's certificate having	ng a filing date before that of the	application on which			
	Prior Foreign Application(s	s)		Priority Claimed			
sert Priority formation	9402487-4	Sweden	July 15, 1994				
appropriate)	(Number)	(Country)	(Month/Day/Year Filed)	Yes No			
	9403953-4 (Number)	Sweden (Country)	November 16, 1994 (Month/Day/Year Filed)	Yes No			
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	(Number)	(Country)	(Month/Day/Year Filed)	Yes No			
	(Number)	(Country)	(Month/Day/Year Filed)	Yes No			
	(Ivalliber)	(Country)	(World Day/ Teal Tried)				
	(Number)	(Country)	(Month/Day/Year Filed)	Yes No			
	I hereby claim the bene application(s) listed below.	efit under Title 35, Unite	ed States Code, § 119(e) of any Unit	ted States provisional			
	(Application Number)		(Filing Date)				
	(Application Number)		(Filing Date)				
	All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More Than 12 Months (6						
	Months for Designs) Prior T	o The Filing Date of Th	nis Application:	e of Filing (Month/Day/Year)			
				<u> </u>			
	I hereby claim the bene	efit under Title 35. Unit	ed States Code, §120 of any United	States application(s)			

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number)	(Filing Date)	(Status — patented, pending, abandoned)

\*NOTE: Must be completed.

### TEWART, KOLASCH & BI H, LLP

## COMBINED DECLARATION AND POWER OF ATTORNE FOR PATENT AND DESIGN APPLICATIONS

ATTORNEY DOCKET NO.

1614-178P(PCT)

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:\*

"SEQUENCE-BASED MUTATION ANALYSIS OF NEOPLASTIC TISSUE FOR Insert Title DIAGNOSIS OR PROGNOSIS OF THE NEOPLASIA" Check Box If Appropriate -For Use Without the specification of which is attached hereto unless the following box is checked: Specification was filed on January 15, 1997 as United Attached States Application Number\_ 08/776,044 PCT International Application Number PCT/SE95/00804 and was amended on (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56. I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: Prior Foreign Application(s) Priority Claimed Insert Priority 9402487-4 Sweden July 15, 1994 Information (Month/Day/Year Filed) (Number) (Country) Yes No (if appropriate) ov. 16, 1994 (Month/Day/Year Filed) 9403953-4 <u>Sweden</u>  $\mathbf{x}$ (Country) (Number) Yes No (Month/Day/Year Filed) (Number) (Country) Yes No (Month/Day/Year Filed) (Country) (Number) Yes No (Month/Day/Year Filed) (Number) (Country) I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below. (Application Number) (Filing Date) (Application Number) (Filing Date) All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More Than 12 Months (6 Months for Designs) Prior To The Filing Date of This Application: Country Application No. Date of Filing (Month/Day/Year)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number)	(Filing Date)	(Status — patented, pending, abandoned)

· I hereby approach the following attorneys to prosecute application and/or an international application based of the application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

14

RAYMOND C. STEWART (Reg. No. 21,066) JOSEPH A. KOLASCH (Reg. No. 22,463) JAMES M. SLATTERY (Reg. No. 28,380)

CHARLES GORENSTEIN (Reg. No. 29,271) LEONARD R. SVENSSON (Reg. No. 30,330) MARC S. WEINER (Reg. No. 32,181) JOE McKINNEY MUNCY (Reg. No. 32,334) C. JOSEPH FARACI (Reg. No. 32,350) TERRELL C. BIRCH (Reg. No. 19,382).
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GERALD M. MURPHY, JR. (Reg. No. 28,977)
TERRY L. CLARK (Reg. No. 32,644)
ANDREW D. MEIKLE (Reg. No. 32,868)
ANDREW F. REISH (Reg. No. 33,443)

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P.O. Box 747
Falls Church, Virginia 22040-0747
Telephone: (703) 205-8000

Facsimile: (703) 205-8050

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

	jeopardize the vand	nty of the application of a	ry patent issued thereon.		
Full Name of First or Sole	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
Insert Name of Inventor Insert Date This	Margarat	BYWATER	141AK1	es fr	14 Feb 1997
Document Is Signed	Margaret Residence (City, State			TCITIZENSHIP	<u> </u>
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Full Name of Second Inventor, if any:	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
see above 200	P <u>er</u>	_LINDSTRÖM_	Man		11 Feb 1997
VI 6	Residence (City, State	& Country)	7	CITIZENSHIP	
<b>4</b>	Uppsala, S	weden		Swedish	
en e		SS (Complete Street Address inc	luding City, State & Country)		
	Svankärrsvägen 26A, S-756 53 Uppsala, Sweden				
Full Name of Third	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
Inventor, if any:			Matt The	garton	11 Feb 1997
see above 9 W	Mats Residence (City, State	INGANAS		DCITIZENSHIP	111 100 1337
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7 D. M. P. M.	Lapplandsr	esan 14, S-757		den	
Full Name of Fourth Inventor, if any:	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
see above					
	Residence (City, State	& Country)		CITIZENSHIP	
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Full Name of Fifth Inventor, if any:	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
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signed.					
Page 2 of 2					

Page 2 of 2 (USPTO Approved 3-90) (Revised 8-95)